

Title (en)

Process for producing plastic optical fibers.

Title (de)

Verfahren zur Herstellung optischer Fasern aus plastischem Material.

Title (fr)

Procédé de fabrication de fibres optiques en matière plastique.

Publication

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Application

EP 85305671 A 19850809

Priority

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Abstract (en)

A process for producing a plastic optical fiber having excellent long-term reliability with respect to resistance to heat and environment is disclosed, which comprises bulk-polymerizing a monomer or monomers that provide a non-crystalline homo- or copolymer, melt-spinning the resulting homo- or copolymer while removing any residual volatile components therefrom, and heating and/or exposing to radiation the resulting melt-spun fiber, wherein a polyfunctional reactant is incorporated during the step of bulk polymerization or melt-spinning.

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Cited by

US4734477A; US4979799A; USRE34901E; EP0264818A3; AU620864B2; US4991932A; EP0254915A3; AU620865B2; EP0783958A3; EP0340556A3; US4986630A; WO2011075229A1; US9103966B2

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